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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/459,644	12/13/1999	TAKASHI TSUNODA	862.3166	1438

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NEW YORK, NY 10112

EXAMINER

CHUNG, DANIEL J

ART UNIT	PAPER NUMBER
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2672

12

DATE MAILED: 01/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/459,644

Applicant(s)

TSUNODA, TAKASHI

Examiner

Daniel J Chung

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 October 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 31,33-35,37,38,40-42,44 and 45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 31,33-35,37,38,40-42,44 and 45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claims 31,33-35,37-38,40-42 and 44-45 are presented for examination. Claims 32,36,39 and 43 have been cancelled by the amendment filed on 10-9-2003. This office action is in response to the Amendment filed on 10-9-2003.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 31,33-35,37-38,40-42 and 44-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tokunaga et al (5,968,132) in view of Shishido (6,137,490).

Regarding claim 31, Tokunaga et al discloses that the claimed feature of a display device capable of displaying first and second windows ["a multi-window environment"] on a display screen, comprising: first receiving ["image receiving unit"; 44] means for receiving first image data, which is sequentially transferred from a first external device in units of frames, to be displayed on the first window [i.e. 25-1]; second receiving means for receiving second image data, which is sequentially transferred from a second external device in units of frames, to be displayed on the second window; memory ["main storage"; 33] means for storing the first image data and the second

image data (See col 14 line 24-25, col 14 line 40-42); connecting means for connecting first receiving means and second receiving means to memory means, and storing control ["window managing unit"; 50g, "frame number adjusting signal outputting unit"] means for storing the first image data ["image data within focus window"] received by first receiving means and the second image data ["image data within no focus window"] in memory means through connecting means, wherein connecting means opens and closes a first connecting gate which connects second receiving means and memory means at predetermined intervals when the first window is an active window ["focusing window"], and opens and closes a second connecting gate which connects first receiving means and memory means at predetermined intervals when the second window is an active window. (See Fig 31, Fig 32, Fig 33, Fig 36, col 5 line 25-34, col 6 line 52-64, col 40 line 51-60, col 41 line 50-col 42 line 42, col 56 line 48-62, See claim 18, claim 25)

Tokunaga et al does not explicitly disclose that "connecting means" and "storing control means", as recited in claims. However, such limitations are shown in the teaching of Shishido. [i.e. 'SW unit' 16; 'CRT control unit' 15; 'input control unit' 14] (See Fig 8, col 1 line 56-col 2 line 5, col 6 line 61-col 7 line 24) It would have been obvious to one skilled in the art to incorporate the teaching of Shishido into the teaching of Tokunaga et al, in order to produce multiple display system at a high efficiency (See col 2 line 1-5 in Shishido), as such improvement is also advantageously desirable in the

teaching of Tokunaga et al for the image data communication system with enhanced working efficiency.

Regarding claim 33, Tokunaga et al fails to teach that displays image data to be displayed on an active window at a higher luminance than a luminance of image data to be displayed on an inactive window. However, Shishido discloses that "changing the luminance of display of the first one of the display devices to a predetermined luminance level indicative of an inactive process, for changing the luminance of display of the second one of the display devices to a predetermined luminance level indicative of an active process." (See col 9 line 1-14, col 10 line 17-30) It would have been obvious to one skilled in the art to incorporate the teaching of Shishido into the teaching of Tokunaga et al, in order to provide efficient way to distinct between active window and inactive window, as such improvement is also advantageously desirable in the teaching of Tokunaga et al.

Regarding claim 34, Tokunaga et al discloses that a counter for outputting a signal when a counter value reaches a predetermined value, wherein connecting means opens and closes the first and second connecting gate on the basis of the signal output from counter. (See Fig 31, Fig 32, Fig 36, col 41 line 55-col 43 line 23, col 56 line 48-col 57 line 7)

Regarding claims 35,37-38,40-42 and 44-45, claims 35,37-38,40-42 and 44-45 are similar in scope to the claims 31 and 33-34, and thus the rejections to claims 31 and 33-34 hereinabove are also applicable to claims 35,37-38,40-42 and 44-45.

Conclusion

Applicant's amendment [i.e. "connecting means", "storing control means"] necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Chung whose telephone number is (703) 306-3419. He can normally be reached Monday-Thursday and alternate Fridays from 7:30am- 5:00pm. If attempts to

reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael, Razavi, can be reached at (703) 305-4713.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

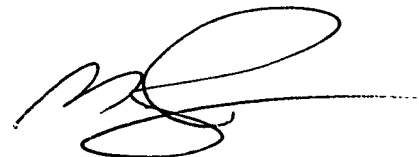
(703) 872-9306 (Central fax)

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

djc
January 9, 2004



MICHAEL RAZAVI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600